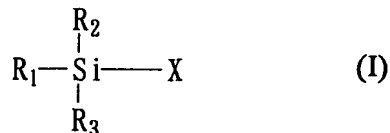


## WHAT IS CLAIMED IS:

1. A nonaqueous electrolytic solution comprising an electrolyte salt dissolved in an organic solvent, which contains a silicon compound represented by formula (I):



- 5 wherein  $\text{R}_1$  represents an alkenyl group having 2 to 10 carbon atoms;  $\text{R}_2$  and  $\text{R}_3$  each represent an alkyl group having 1 to 10 carbon atoms, an alkoxy group having 1 to 10 carbon atoms, an alkenyl group having 2 to 10 carbon atoms or a halogen atom; and X represents a halogen atom.
2. The nonaqueous electrolytic solution according to claim 1, wherein  $\text{R}_1$  is a vinyl group.
3. The nonaqueous electrolytic solution according to claim 1, wherein at least one of  $\text{R}_2$  and  $\text{R}_3$  is a methyl group.
4. The nonaqueous electrolytic solution according to claim 1, wherein X is a fluorine atom.
5. The nonaqueous electrolytic solution according to claim 1, wherein  $\text{R}_1$  is a vinyl group,  $\text{R}_2$  and  $\text{R}_3$  are each a methyl group, and X is a fluorine atom.
6. The nonaqueous electrolytic solution according to claim 1, wherein the organic solvent contains at least one member selected from the group consisting of a cyclic carbonate compound, a cyclic ester compound, a sulfone compound, a sulfoxide compound, an amide compound, an acyclic carbonate compound, an acyclic ether compound, a cyclic ether compound, and an acyclic ester compound.

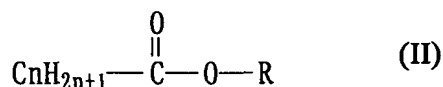
7. The nonaqueous electrolytic solution according to claim 1, wherein the organic solvent contains at least one cyclic carbonate compound and at least one acyclic carbonate compound.

8. The nonaqueous electrolytic solution according to claim 7, wherein the cyclic carbonate compound comprises ethylene carbonate.

9. The nonaqueous electrolytic solution according to claim 7, wherein the cyclic carbonate compound comprises ethylene carbonate and 1,2-butylene carbonate.

10. The nonaqueous electrolytic solution according to claim 7, wherein the acyclic carbonate compound comprises at least one member selected from the group consisting of dimethyl carbonate, ethylmethyl carbonate, and diethyl carbonate.

11. The nonaqueous electrolytic solution according to claim 7, which further contains a carboxylic ester compound represented by formula (II):



wherein R represents an alkyl group having 1 to 4 carbon atoms; and n represents 0, 1 or 2.

12. The nonaqueous electrolytic solution according to claim 1, wherein the electrolyte salt is at least one member selected from the group consisting of  $\text{LiPF}_6$ ,  $\text{LiBF}_4$ ,  $\text{LiClO}_4$ ,  $\text{LiAsF}_6$ ,  $\text{LiCF}_3\text{SO}_3$ ,  $\text{LiN}(\text{CF}_3\text{SO}_2)_2$ ,  $\text{LiC}(\text{CF}_3\text{SO}_2)_3$ , an  $\text{LiCF}_3\text{SO}_3$  derivative, an  $\text{LiN}(\text{CF}_3\text{SO}_2)_2$  derivative, and an  $\text{LiC}(\text{CF}_3\text{SO}_2)_3$  derivative.

13. The nonaqueous electrolytic solution according to claim 1, wherein the silicon compound represented by formula (I) is present in an amount of 0.05 to 5% by volume.

14. A nonaqueous secondary battery comprising the nonaqueous electrolytic solution according to claim 1.